Listing of Claims:

1. (currently amended) An X-ray device provided with an X-ray source and an X-ray detector which are mounted at different ends of a common holding device, the common holding device being connectable to a room by way of a supporting device, such that said supporting device has a first end connected to the common holding device and a second end connectable to the room,

wherein the supporting device comprises a plurality of hinged, serially interconnected supporting members, wherein the hinges connecting the supporting members are plane hinges, and wherein the position of the common holding device is changed in a plane defined by the supporting members which may be individually controlled, and

wherein the second end is connected to a rotational hinge such that the entire supporting device is rotatable about an axis that is parallel to the plane defined by the supporting members.

2. (previously presented) An X-ray device as claimed in claim 1, wherein the supporting device is a serial manipulator, notably a robot arm.

3. (previously presented) An X-ray device as claimed in claim 1, wherein the supporting device is constructed and connected to the holding device in such a manner that the common holding device with the X-ray source and the X-ray detector can be positioned completely as desired.

4. (canceled)

5. (previously presented) An X-ray device as claimed in claim 1, wherein the supporting device is connected to the holding device by way of a hinge that permits rotation 360 degrees about an axis.

6. (previously presented) An X-ray device as claimed in claim 1, wherein the holding device is composed of at least two holding members, the X-ray source being mounted on a first holding member whereas the X-ray detector is mounted on a second holding member.

7. (previously presented) An X-ray device as claimed in claim 1, wherein the holding device is a C-arm.

8. (previously presented) An X-ray device as claimed in claim 1, such that there are provided means for monitoring the distance between an object to be examined and moving parts of the X-ray device, notably the X-ray source and the X-ray detector.

9. (previously presented) An X-ray device as claimed in claim 8, wherein the means for monitoring the distance are provided with ultrasound sensors and ultrasound detectors.

10. (previously presented) An X-ray device as claimed in claim 8, wherein the means for monitoring the distance include mechanical contact sensors.

11. (previously presented) The X-ray device of claim 1, wherein the common holding device is rigid, such that the distance between the X-ray source and the X-ray detector and the orientation of both elements relative to one another are invariable.

12. (previously presented) The X-ray device of claim 2, wherein the serial manipulator is controlled by software.

13. (currently amended) An ~~The~~ X-ray device ~~of claim 6,~~ provided with an X-ray source and an X-ray detector which are mounted at different ends of a common holding device, the common holding device being connectable to a room by way of a supporting device,

wherein the supporting device comprises a plurality of hinged, serially interconnected supporting members, wherein the hinges connecting the supporting members are plane hinges, and wherein the position of the common holding device is changed in a plane defined by the supporting members which may be individually controlled, wherein the holding

device is composed of at least two holding members, the X-ray source being mounted on a first holding member whereas the X-ray detector is mounted on a second holding member, and wherein the distance between the X-ray source and the X-ray detector ~~can be changed~~ is changeable by moving the first and second holding members such that the imaging scale and a size of the examination zone of the X-ray device are variable.

14. (previously presented) The X-ray device of claim 8, wherein emergency braking is initiated when the distance between the moving parts and the object to be examined fall below a safety threshold.

15. (previously presented) The X-ray device of claim 10, wherein the mechanical contact sensors produce a signal upon contact with the object to be examined.

16. (previously presented) The X-ray device of claim 8, wherein the means for monitoring the distance include a separate video system to continuously monitor the motion of the X-ray source and the X-ray detector.

17. (previously presented) The X-ray device of claim 1, wherein the X-ray source and the X-ray detector are mounted on the common holding device by a displacement device such that the X-ray source and the X-ray detector can be displaced along an axis.

18. (currently amended) An ~~The~~ X-ray device ~~of claim 2,~~ provided with an X-ray source and an X-ray detector which are mounted at different ends of a common holding device, the common holding device being connectable to a room by way of a supporting device,

wherein the supporting device comprises a plurality of hinged, serially interconnected supporting members, wherein the hinges connecting the supporting members are plane hinges, and wherein the position of the common holding device is changed in a plane defined by the supporting members which may be individually controlled, wherein the supporting device is a serial manipulator, and wherein the supporting device is a 6-axes flexible arm.

19. (currently amended) The X-ray device of claim 1, wherein the second end of the supporting device is connected to the room at a connection point ~~by a~~ such that the rotational hinge ~~that~~ permits rotation about an axis that extends perpendicularly out from the connection point.

20. (currently amended) The X-ray device of claim 1, wherein each of the hinges of the supporting device permits rotation about a horizontal axis of the hinge.

21. (new) The X-ray device of claim 13, further comprising a third holding member connected to the supporting device, wherein each of said first and second holding members is connected to said third holding member via a hinge, said first and second holding members being individually controllable to change the distance between the X-ray source and the X-ray detector such that the imaging scale and a size of the examination zone of the X-ray device are variable.